

Abstract

The invention relates to a cermet electrode for use as e.g. the fuel electrode of a solid electrolyte fuel cell and a method of manufacturing the same. This cermet electrode is characterized by comprising grains of a high-melting metal having a melting point of not less than 1,900°C and/or grains of an alloy containing the high-melting metal and secured in position by zirconia doped to present the form of a cubic lattice. The method of manufacturing this cermet electrode comprises covering a support of doped zirconia with grains of a high-melting metal having a melting point of not less than 1,900°C and/or grains of an alloy containing the high-melting metal and causing a framework structure to grow from the doped zirconia around the grains by electrochemical vapor deposition to secure the grains in position and to the support.

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